

In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A functional multilayer film comprising a matrix comprising laminated metal-arranged thin films, each metal-arranged thin film comprising a dielectric thin film having a predetermined thickness and a plurality of fine metallic bodies arranged on the dielectric thin film, wherein a plurality of recesses is regularly formed on a surface of each dielectric thin film and the fine metallic bodies are arranged in lower parts of the recesses,

wherein the plurality of fine metallic bodies is made of a different material from one another in at least one of the metal-arranged thin films.

2. (Currently amended) A functional multilayer film according to Claim 1, wherein the dielectric thin film ~~is made of a different material~~ in at least one metal-arranged thin film is made of a different material from the dielectric thin film in at least one other metal-arranged thin film.

3. (Canceled)

4. (Currently amended) A functional multilayer film according to Claim 1, wherein at least one of the dielectric thin film ~~and or~~ the plurality of fine metallic bodies ~~is~~are made of a different materials from other dielectric thin films and other plurality of fine metallic bodies, respectively, in said laminated in each metal-arranged thin films.

5. (Currently amended) A functional multilayer film according to Claim 1, wherein, in a region including a plurality of the metal-arranged thin films, the metal-arranged thin films comprising a plurality of dielectric thin films and more than one plurality of fine metallic bodies, at least one of the plurality of dielectric thin films ~~and or~~ the more than one plurality of fine metallic bodies is made of a different material in the region from another plurality of dielectric thin films and another plurality of fine metallic bodies, respectively, in the region.

6. (Cancelled)

7. (Currently amended) A functional multilayer film according to Claim 1, wherein the plurality of fine metallic bodies is made of a different material from one another in each metal-arranged thin film.

8. (Currently amended) A functional multilayer film according to Claim 1, wherein, in a region including a plurality of the metal-arranged thin films, the metal-arranged thin films comprising a plurality of dielectric films, the plurality of dielectric films is made of a different material from one another in the region.

9. (Currently amended) A functional multilayer film according to Claim 1, wherein, in a region including a plurality of the metal-arranged thin films, the metal-arranged thin films comprising more than one plurality of fine metallic bodies, the more than one plurality of fine metallic bodies is made of a different material from one another in the region.

10. (Previously presented) The functional multilayer film according to Claim 1, wherein a first multilayer filter is disposed on a top surface of the matrix, and a second multilayer filter is disposed on a bottom surface of the matrix.

11. (Previously presented) The functional multilayer film according to Claim 10, wherein the first and the second multilayer filters are narrow bandwidth reflection filters.

12. (Previously presented) The functional multilayer film according to Claim 1, wherein the fine metallic bodies arranged in a surface direction of a first layer of the functional multilayer film are aligned with the fine metallic bodies arranged in a surface direction of a second layer of the functional multilayer film in a direction orthogonal to a surface of the first layer.

13. (Previously presented) The functional multilayer film according to Claim 1, wherein each of the fine metallic bodies is formed in an elliptical shape as elliptically-shaped fine metallic bodies.

14. (Currently Amended) The functional multilayer film according to Claim 13, wherein the elliptically-shaped fine metallic bodies in the thickness direction of film

and the arrangement thereof in the surface direction of film are oriented in a regular pattern.

15. (Currently Amended) A functional multilayer film, comprising:  
metal-arranged thin films,  
wherein the metal-arranged thin films are fabricated by a process comprising:  
forming a plurality of recesses arranged on a surface of a dielectric thin film;  
forming a metallic thin film on the dielectric thin film, and performing a heat treatment on the metallic thin film such that metal of the metallic thin film flows into lower parts of the recesses of the dielectric thin film to form fine metallic bodies;  
and  
laminating a plurality of the metal-arranged thin films, each metal-arranged thin film comprising the dielectric thin film and the fine metallic bodies, the fine metallic bodies made of a different material from one another in at least one of the metal-arranged thin films.

16. (Previously presented) The functional multilayer film according to Claim 15, wherein the dielectric film comprising a first dielectric film and a second dielectric film and a thickness of the first dielectric film and a thickness of the second dielectric film are the same.

17. (Previously presented) The functional multilayer film according to Claim 16, wherein the arrangement of the fine metallic bodies in a lamination direction and in a surface direction of the metal-arranged film is regular.

18. (Currently Amended) The functional multilayer film according to Claim 15, wherein the recess shape is at least one of conical, ellipsoidal, quadrangular pyramidal, triangular pyramidal, cylindrical, semispherical, ~~and~~ or square.

19. (Previously presented) The functional multilayer film according to Claim 18, wherein a distance between adjacent fine metallic bodies in the lamination direction is the same and a distance between adjacent fine metallic bodies in the surface direction is the same.

20. (Previously presented) The functional multilayer film according to Claim 15, wherein the recesses of a first dielectric thin film are formed by deposition of the dielectric thin film on a substrate having recesses.

21. (Currently amended) A functional multilayer film comprising a matrix comprising laminated metal-arranged thin films, each metal-arranged thin film comprising a dielectric thin film having a predetermined thickness and a plurality of fine metallic bodies arranged on the dielectric thin film, wherein a plurality of recesses is regularly formed on a surface of each dielectric thin film and the fine metallic bodies are arranged in lower parts of the recesses,

wherein the plurality of fine metallic bodies is made of a different material from one another in at least one of the metal-arranged thin films,

wherein a first multilayer filter is disposed on a top surface of the matrix, and a second multilayer filter is disposed on a bottom surface of the matrix, and

wherein the first and the second multilayer filters are narrow bandwidth reflection filters.

22. (Currently amended) A functional multilayer film comprising a matrix comprising laminated metal-arranged thin films, each metal-arranged thin film comprising a dielectric thin film having a predetermined thickness and a plurality of fine metallic bodies arranged on the dielectric thin film, wherein a plurality of recesses is regularly formed on a surface of each dielectric thin film and the fine metallic bodies are arranged in lower parts of the recesses, wherein each of the fine metallic bodies is formed in an elliptical shape ~~as elliptically-shaped fine metallic bodies~~.

23-26. (Cancelled)

27. (Currently amended) A functional multilayer film according to Claim 22, wherein the plurality of fine metallic bodies is made of a different material ~~in each metal-arranged thin film~~ from one another.

28. (Currently amended) A functional multilayer film according to Claim 22, wherein the dielectric films are made of ~~a different materials~~ from one another in a region including a plurality of the metal-arranged thin films.

29. (Currently amended) A functional multilayer film according to Claim 22, wherein the pluralities of fine metallic bodies are made of a different materials from one another in a region including a plurality of the metal-arranged thin films.

30. (Previously presented) The functional multilayer film according to Claim 22, wherein a first multilayer filter is disposed on a top surface of the matrix, and a second multilayer filter is disposed on a bottom surface of the matrix.

31. (Previously presented) The functional multilayer film according to Claim 30, wherein the first and the second multilayer filters are narrow bandwidth reflection filters.

32. (Previously presented) The functional multilayer film according to Claim 22, wherein the fine metallic bodies arranged in a surface direction of a first layer of the functional multilayer film are aligned with the fine metallic bodies arranged in a surface direction of a second layer of the functional multilayer film in a direction orthogonal to a surface of the first layer.

33. (Currently amended) The functional multilayer film according to Claim 22, wherein the elliptically-shaped fine metallic bodies in the thickness direction of film and the arrangement thereof in the surface direction of film are oriented in a regular pattern.

34. (Currently amended) A functional multilayer film comprising a matrix comprising laminated metal-arranged thin films, each metal-arranged thin film comprising a dielectric thin film having a predetermined thickness and a plurality of fine metallic bodies arranged on the dielectric thin film, wherein a plurality of recesses is regularly formed on a surface of each dielectric thin film and the fine metallic bodies are arranged in lower parts of the recesses,

wherein the fine metallic bodies are each formed in an elliptical shape ~~as elliptically-shaped fine metallic bodies,~~

wherein the fine metallic bodies in at least one metal-arranged thin film are made of a different material from the fine metallic bodies in at least one other metal-arranged thin film,

wherein a first multilayer filter is disposed on a top surface of the matrix, and a second multilayer filter is disposed on a bottom surface of the matrix, and

wherein the first and the second multilayer filters are narrow bandwidth reflection filters.